American Journal of Clinical Pathology

I. Davidsohn, M.D., *Editor*

Volume 14

Baltimore
The Williams & Wilkins Company
1944

Med.

CONTENTS

Number 1, January, 1944

Pathology of Arthritis. S. A. Goldberg 1
Parathyroid Glands in Trichinosis. L. Carrick 24
Luteinized Granulosa Cell Tumor of Ovary (Luteoma). A. S. Giordano and J. L. Haymond 28
Contribution to Histopathology of Filariasis. P. H. Hartz 34
Prothrombin in Disorders of Blood. E. A. Sharp, J. G. Wolter, and E. C. Vonder Heide 44
Role of Subtypes of Rh in Hemolytic Transfusion Reactions and in Erythroblastosis. A. S. Wiener 52
Obituaries 61
News and Notices 62
Books Received 64
Book Reviews 64
Technical Section Following Page 66
Lead Semisolid Agar, a Medium for Use in Identification of Enteric Group of Bacteria. F. Friewer and H. J. Shaughnessy 1
Stored Sheep Cells for Complement Fixation Test. W. Ashby 6
Simple Preparation of Standardized Colloidal Gold. O. J. Pollak 8
Convenient and Rapid Method for Staining Glycogen in Paraffin Sections with Best's Carmine Stain. J. P. Mullen 9
Simple Outfit for Drying Plasma from Frozen State. R. W. G. Wyckoff and J. B. Lagsdin 10
Homemade Pipet Washer. I. M. Wise 16
Combination Cork-Paraffin Tissue Trimming Board. R. A. J. Wilson 17
Questions for Written Examination Held by Registry of Medical Technologists of American Society of Clinical Pathologists in October, 1943 18
Questions for Practical Examination Held by Registry of Medical Technologists of American Society of Clinical Pathologists in October, 1943 19

Number 2, February, 1944

Experimental Hepatic Injury. Paul György 67
Amylase Determinations. Eric Fennel 89
Preparedness for Defense Against Influenza. Ward J. MacNeal and Ernestine R. Parker 103
Isoagglutinin and Agglutinogen Contents of Pooled Plasma. Their Role in Transfusion Reactions. Leon L. Blum 112
Histoplasmosis of Darling (Reticulo-Endothelial Cytomycosis). Case Report. Walter P. Martin and Bernard Silber 119
Obituary 125
Books Received 126
Book Reviews 127

Number 3, March, 1944

Cirrhosis of the Liver: Clinical Aspects with Particular Reference to Liver Function Tests. C. J. Watson 129
The Detection of Urinary Bence Jones Protein. Bernard M. Jacobson and Leo R. Milner 138
The Production of a Filtrable Infectious Agent from Alpha Streptococci. Edward C. Rosenow 150
Anti-Human Hemagglutinins and Anti-Rh Antibody in Guinea Pig and Human Serums. E. E. Ecker, Eileen W. Erlanson MacFarlane and T. C. Laipply 168
Tissue Lead Concentrations in Disease. Helena Emma Riggs, T. V. Letonoff, and John G. Reinhold 175
News and Notices 187
Book Reviews 189
Books Received 190
Technical Section Following Page 190
Erythrocyte Fragility. E. A. Fennel
A New Medium for the Differentiation of Salmonella and Paracolon Organisms. Oscar Felsenfeld and Viola Mae Young 26
The Operation of a Complete Blood Bank Service Utilizing Assembled Parts. S. Brandt Rose and Ignatius S. Hneleski 28

Typing Meningococci Directly from Spinal Fluid. CHARLES D. COX 35
A Simple Procedure for the Detection of Arsenic in Body Fluids. SIDNEY KAYE 36
A Method for Computing the Red Cell Count on the Photoelectric Colorimeter. GRACE M. PARKER, HELEN E. SPICER, AND HOWARD PORTER 37
A Simple Instrument for Reading of Flocculation, Precipitin and Agglutination Reactions. CRICHTON MCNEIL 39
Toxicity of Urine in the Friedman Test for Pregnancy 41
News and Notices 41

NUMBER 4, APRIL, 1944

The Effects of Sulfonamide Drugs on the Blood. ROY R. KRACKE 191
Laboratory Aids in the Diagnosis of Infections of the Eye Prevalent in Tropical and Subtropical Countries. CHARLES WEISS 200
Actinomyces in the Tonsils. WILLIAM E. B. HALL 215
A Modified Technic for Determining the Xanthoproteic Index. JAMES F. MEZEN AND ROGER S. HUBBARD. 229
Microscopic Demonstration of Fat in Urine and Stool by Means of Fluorescence Microscopy. BRUNO W. VOLK AND HANS POPPER 234
Madura Foot in a Native American. A Case of Monosporosis. ROBERT FIENBERG 239
Death Following Sternal Puncture. LEO M. MEYER AND JACOB HALPERN 247
News and Notices. Obituary 249
Books Received 251

NUMBER 5, MAY, 1944

Myasthenia Gravis: A Report of Two Cases with Necropsy Findings. A. S. GIORDANO AND JOSEPH L. HAYMOND 253
Pathologic Findings in Nerve and Muscle in Poliomyelitis. WILLIAM B. DUBLIN, BRANDT A. BEDE, AND BURTON A. BROWN 266
Phenol Studies. VII. Chronic Phenol Poisoning, with Special Reference to the Effects upon Experimental Animals of the Inhalation of Phenol Vapor. WM. B. DEICHMANN, K. V. KITZMILLER, AND S. WITHERUP .. 273
The Influence of Purified Diets upon the Toxicity of Promin. GEORGE M. HIGGINS 278
Jaundice in Amyloidosis of the Liver. DAVID M. SPAIN AND RICHARD L. RILEY 284
Postmortem Studies in Mental Patients. Frequent Findings in Paranoid States. O. J. POLLAK 289
Carcinoid Tumors of the Ileum (Argentaffinomas). CHRISTIE E. MCLEOD 301
News and Notices 304
Books Received 305
Book Reviews 306
Technical Section Following Page 306
The Determination of the Proteins in Cerebrospinal Fluid by the Biuret Method. MARIE A. ANDERSCH .. 43
A Note on the Measurement of Protein in Cerebrospinal Fluid by the Biuret Method. F. WILLIAM SUNDERMAN AND PAULINE SCHMIDT 47
Differentiation of Leucocytes in the Counting Chamber by Propylene Glycol-Aqueous Stains: A Screen for the Detection of Major Blood Abnormality. THERON G. RANDOLPH 48
Note on the Clarification of Bile. ROGER S. HUBBARD and MARY K. JEWETT 53
A Method for the Quantitative Determination of Serum Bilirubin with the Photoelectric Colorimeter. W. N. POWELL 55
A Simple Paraffin Embedding Apparatus. ROBERT V. BUCKLIN 58
Automatic Differentiator for Staining. ALICE DRITZ 59
Blood Collection Tray. DONALD J. REHBOCK 62

NUMBER 6, JUNE, 1944

Qualitative and Quantitative Studies on the Antithrombic Activity of Blood Serum and Plasma. SLOAN J. WILSON 307
A Simple Method of Staining Malaria Protozoa and Other Parasites in Paraffin Sections. WRAY J. TOMLINSON AND ROBERT G. GROCOTT 316
The Serum Proteins in Diseases of the Heart and Kidneys. BENJAMIN M. KAGAN 327
The Effect of Small Doses of Alcohol on the Central Nervous System. NORBERT ENZER, ERNST SIMONSON AND GRACE BALLARD 333

Salmonella Pneumonia. Milton Gjelhaug Levine and Edward B. Plattner 342
At Attempt to Desensitive Against Tuberculo-Bacillary Allergy. H. J. Corper and Maurice L. Cohn 344
Evaluation of Clinical Laboratory Tests for Pathogenic Staphylococci Based on Histologic Examinations of Lesions in the Tissues. Parker R. Beamer, Irving I. Goodof, and Edward B. Smith 350
Use of the Buffy Layer in the Rapid Diagnosis of Septicemia. Arthur A. Humphrey 358
Obituary 363
News and Notices 363
Book Reviews 364
Books Received 364

Number 7, July, 1944

Blood Alcohol and Intoxication: Its Value in Border Line Cases. Alexander O. Gettler, A. Walter Freireich, and Harry Schwartz 365
The Volumetric Pattern of Aspirated Normal Human Sternal Marrow of Males 18 to 40 Years. Emil Maro Schleicher 370
A Colloidal Copper Reaction in the Cerebrospinal Fluid in Uremia. Geoffry C. Linder 380
Unreliability of Ordinary Cultures in Chronic Infections. Myer Solis-Cohen 386
Fatal Bismuth Poisoning in the Course of Antisyphilitic Treatment. M. Wachstein 392
Acute Isolated Myocarditis. Case Report. W. W. Coulter and Peter Marcuse 399
Aneurysm of the Abdominal Aorta with Rupture into Duodenum. Report of Three Cases. H. R. Pratt-Thomas 405
Studies on a Dog with Severe Asthmatic Attacks. Wm. H. Olson, M. Appel, and H. Necheles 413
Seminoma in the Testis of a Dog. W. C. Hueper 418
News and Notices 422
Book Reviews 423
Books Received 424
Technical Section Following Page 424:
Preparation of Crude Penicillin for Local Application. Robert E. Hoyt, Milton Gjelhaug Levine, and O. B. Pratt 65
Staining Method for Thin and Thick Smears for Malaria and Other Cell Containing Body Fluids. Leon S. Medalia, Jack R. Kahaner, and Arnold J. Singer 68
Saliva Glucose: A Quantitative Method for Its Determination in Young Children. Cecelia M. Kortuem 70
Filter-drip Unit for Dispensing Blood and Plasma. Max M. Strumia 75
A Rapid and Specific Method for the Estimation of Bismuth in Urine. Sidney Kaye and Julio C. Castillo 81
A Rapid and Specific Method for the Detection and Estimation of Mercury, Bismuth and Arsenic in Body Fluids. Sidney Kaye 83
News and Notices 85

Number 8, August, 1944

Advocatus Diaboli. Walter S. Thomas 425
Further Observations on the Rh Agglutinogen: Studies on an Anti-Rh Serum Of Unusual Specificity and the Occurrence of the Same Agglutinin in Breast Milk. Roy T. Fisk and Alvin G. Foord 431
Glucose Necessary to Stimulate Insulin Production. James S. Sweeney, John W. Tunnell and Rose Tunnell 437
Carcinoma of Appendix. Bernard Chomet 447
News and Notices 453
Books Received 457
Book Reviews 459

Number 9, September, 1944

Studies on the Incidence and Nature of False Positive Serologic Reactions for Syphilis. Charles R. Rein and Elizabeth S. Elsberg 461
A Simple Rapid Flocculation Slide Test for Trichinosis in Man and in Swine. Hazel Suessenguth and Benjamin S. Kline 471
March Hemoglobinuria: A Report of Two Cases. Robert E. Hobbs 485

Multiple Malignant Hemangiomas of the Liver. G. H. Andries and D. H. Kaump 489
News and Notices 494
Books Received 494
Technical Section Following Page 494
Laboratory Procedures for the Diagnosis of Trichinosis. James B. McNaught 87
A Comparative Study of Guinea Pig Inoculation and Cultures for the Demonstration of Tubercle Bacilli. Frank Lande and Frank F. Dixon 93
Note on Friedman Pregnancy Test Using Blood Serum. Newton Evans and Aram A. Krajian 97
A New Type of Trichinoscope. S. E. Gould 98
A Tube Holder for Fungus Studies. Herbert E. McDaniels 101
News and Notices 101

Number 10, October, 1944

Pathology and Bacteriology of Streptococcus Endocarditis in Relation to Sulfonamide Chemotherapy. Tom R. Hamilton and Bette W. Hamilton 495
Pathology and Bacteriology of Streptococcus Endocarditis in Relationship to Sulfonamide Chemotherapy. II. The Effect of Temperature Elevation on the Action of Sulfathiazole upon Endocarditis Strains of Streptococcus Viridans, Enterococci and Group A Streptococci. Bette Wasson Hamilton and Tom R. Hamilton 502
Endocarditis Due to Brucella: Report of Two Cases. John D. Call, A. H. Baggenstoss and Wallace A. Merritt 508
A Filtrable Infectious Agent Obtained from Alpha Streptococci Isolated in Studies of a Case of Poliomyelitis. Edward C. Rosenow 519
The Platelet Count, Bleeding Time, Clotting Time, Capillary Fragility, Prothrombin Concentration and Clot Retraction in Paretics Receiving Therapeutic Malaria. L. W. Diggs 534
Agranulocytosis Following Thiouracil Administration. Michael A. Rubinstein 540
The Pelger-Huet's Familiar Nuclear Anomaly of the Leucocytes. A. Van der Sar 544

Number 11, November, 1944

Carcinoma of the Pancreas: A Study of Neoplastic Invasion of Nerves and its Possible Clinical Significance. John F. Drapiewski 549
The Salmon, Geist, Salmon, Frank Six Hour Rat Test for Pregnancy. Benjamin S. Kline 557
Tripolar Mitoses in Non-Neoplastic Lesions. Milton G. Bohrod 563
Clinical Bacteriology and Cytology of Some Ocular Infections. Charles Weiss 567
The Biologic Diagnosis of Tuberculosis: Quantitative Animal Evaluation Tests on the Syrian Hamster and the Guinea Pig. H. J. Corper and Maurice L. Cohn 571
A Case of Erythroblastosis Caused by Immunization of an Rh-Positive Mother by the Rh Factor. Robert K. Waller, Philip Levine and Irene Garrow 577
So-Called Granular Cell Myoblastoma of the Thigh with Organoid Structure. Philip H. Hartz 582
Aneurysm with Rupture of a Submucosal Artery in the Jejunum. Jacob Levine and A. de T. Valk 586
Diabetes Mellitus in a Cat. Kurt E. Lande 590
Technical Section Following Page 592
Sheep Erythrocytes for the Complement-Fixation Reaction. D. L. Coffin 103
Preparation of a Kahn Like Antigen from a Tissue other than Beef Heart. William S. Jackway and Moses Kopel 107
The Laughlen Test. G. F. Laughlen 109
A Rapid, Simple and Economical Method for Rh Agglutination. Bruce Chown 114
The Action of Sodium Ethylmercurithiosalicylate on Human Anti-Rh Serums. Robert K. Waller 116
A Simplified Benedict Test for Glycosuria. Joseph A. Kasper and Isabelle Jeffrey 117
A Practical Inexpensive Apparatus for Administering Blood or Blood Derivatives. Esther L. Bowser 122
A Basket Carrier for Dehydration of Tissue. Emerson M. Zappata and James B. McNaught 125
Plaster of Paris Embedding Boats. Emerson M. Zapata and James B. McNaught 126
Microscopy of Latex Rubber-Injected Specimens. G. E. Lathrop and Ruth Krupp 128
Microtechnic of the Pathologic Eye. G. E. Lathrop 131
A Method for Helminth Ova. G. E. Lathrop 135
A Simple Method of Making Permanent Rings for Glass Slides. Sister M. Emmanuella 136
A Note on the Cleaning of Leffler Tubes. Elvyn G. Scott 137

NUMBER 12, DECEMBER, 1944

Immunity in Malaria. WILLIAM H. TALIAFERRO 593
Studies of Urobilinogen. IV. The Quantitative Determination of Urobilinogen by Means of the Evelyn Photoelectric Colorimeter. SAMUEL SCHWARTZ, VICTOR SBOROV, AND CECIL JAMES WATSON 598
Studies of Urobilinogen. V. A Simple Method for the Quantitative Recording of the Ehrlich Reactions as Carried Out with Urine and Feces. CECIL J. WATSON, SAMUEL SCHWARTZ, VICTOR SBOROV, AND ELIZABETH BERTIE 605
Isoimmunization to Factor P by Blood Transfusion. ALEXANDER S. WIENER AND LESTER J. UNGER 616
News and Notices Obituary 619
Book Reviews 621
Subject Index 622
Author Index 625